II Cantonments during 1990-91 and 1991-92 are indicated in the Statement (*See* Appendix CLXV, Annexed No. 73]

DGDE had received three complaints, dated 20.11.1991, 27.1.1992 and 3.2.1992, from Shri Ram Babu Mishra, Advocate Kanpur, under instructions of his clients namely Prof. P. S. Trivedi, Mohd. Nasim and others, alleging *inter-alia*, neglect/failure on the part of Kanpur Cantonment Board, in Central Command, in discharging its duties, such as recovery of dues/taxes, provision of basic civil amenities like sanitation, wastage of revenue etc. No instance of violation of the provisions of the Cantonment Act, 1924, or the Cantonment Land Administration Rules by Cantonment Boards has been reported.

The Cantonment Boards are statutory Local Bodies and their accounts are audited by the Local Audit Officers of the Defence Accounts Department. The Government have not received any report of serious udit objections in respect of these ntonment Boards, which may call for fixation of responsibility therefor.

Report of export group on conversion of Coal to gaseous and liquid fuels

*391. SHRI SATISH PRADHAN: Will the Minister of COAL be pleased to state:

(a) whether the expert group on conversion of coal to gaseous and *liquid fuels* had submitted its report in 1984;

(b) if so, what are its main recommendations and the details of follow up action taken thereon recommendation wise;

(c) the nature of experience gained so far; and

(d) what are the details of action taken/proposed to be taken in the matter?

THE MINISTER OF STATE OF THE MINISTRY OF COAL WITH ADDITIONAL CHARGE OF THE MINISTRY OF LABOUR (SHRI P. A. SANGMA): (a) Yes, Sir. The expert group on 'Conversion of Coal to gaseous and liquid fuels' under the Chairmanship of Dr. G. S. Sidhu, the then Director General of the Council of Scientific and Industrial Research submitted its report in May 1984.

(b) to (d) The Committee recommended that the first priority for coal conversion in India should be the study of feasibility of various coal gasification techniques for power generation with high ash coals through 'Integrated Gasification Combined Cycle' (IGCC) method. Government sanctioned proposals in this regard and trials were carried out in the 24 tpd. pilot plant at Indian Institute of Chemical Technology (IICT), Hyderabad and 150 tpd. process demonstration unit of Bharat Heavy Electricals Limited at Trichy. The study has shown that the fluidised bed and moving bed gasification techniques of IGCC System of power generation are techno-economically suitable to high ash coals.

Main recommendations of the Committee on conversion of coal to liquid fuels consist of (i) bench scale study of suitable catalysts and process parametres for the liquefaction of Indian coal to oil by direct hydrogenation process and (ii) pilot plant scale study for obtaining diesel oil from synthesis gas by Fisher-Tropsch process. Both these studies have been undertaken by Central Fuel Research Institute (CFRI).